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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/616,716	07/10/2003	Momoe Adachi	09792909-5650	2623
26263	7590 05/11/2006	EXAMINER		IŅER
SONNENSC	CHEIN NATH & ROSE	LEE, CYNTHIA K		
P.O. BOX 061080 WACKER DRIVE STATION, SEARS TOWER			ART UNIT	PAPER NUMBER
	L 60606-1080		1745	
			DATE MAILED: 05/11/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	10/616,716	ADACHI ET AL.			
Office Action Summary	Examiner	Art Unit			
	Cynthia Lee	1745			
The MAILING DATE of this communication appearing for Reply	pears on the cover sheet with the	correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailling date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be to will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDON	DN. timely filed m the mailing date of this communication. IED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 10 J	<u>luly 2003</u> .				
·—	·—				
3) Since this application is in condition for allowa	•				
closed in accordance with the practice under the	<i>⊏x parte Quayle</i> , 1935 G.D. 11, 4	+00 U.G. 213.			
Disposition of Claims					
 4) Claim(s) 1-18 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) 1-18 is/are rejected. 7) Claim(s) 1-18 is/are objected to. 8) Claim(s) are subject to restriction and/or 	wn from consideration.				
Application Papers					
9)☐ The specification is objected to by the Examine 10)☒ The drawing(s) filed on 10 July 2003 is/are: a) Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11)☐ The oath or declaration is objected to by the Examine	☑ accepted or b)☐ objected to drawing(s) be held in abeyance. So tion is required if the drawing(s) is o	ee 37 CFR 1.85(a). bjected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
a) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list	ts have been received. ts have been received in Applica prity documents have been receiv u (PCT Rule 17.2(a)).	tion No ved in this National Stage			
Attachment(s)					
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 	4) Interview Summar Paper No(s)/Mail [5) Notice of Informal 6) Other:	y (PTO-413) Date Patent Application (PTO-152)			

Priority

Acknowledgement has been made of applicant's claim for priority under 35 USC 119 (a-d). The certified copy has been filed on 7/10/2003.

Information Disclosure Statement

An Information Disclosure Statement (IDS) has not been filed as of the mailing of this Office Action.

Drawings

The drawings received 7/10/2003 are acceptable for examination purposes.

Claim Objections

Claim 1 is objected to because it is unclear if the parenthesis containing the nine elemental limitations is meant as a positive limitation to the claim. The Office suggests that the applicant delete the following underlined parentheses: (herein,) (underline added).

Its dependent claims are objected for the same.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 14 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. It is unclear whether the compound claimed LiPF₄ is a misspelling of LiBF₄ since the specification supports the compound LiBF₄. Thus, the compound was treated as a typographical error.

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Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-18 are rejected under 35 U.S.C. 102(b) as being anticipated by Iwamoto (WO00/33403), using US 6824920 as English translation.

Refer to the US document for corresponding citations herein below. Iwamoto discloses a battery comprising a cathode, an anode, and an electrolyte. The negative and positive electrodes are capable of intercalating and de-intercalating lithium. The electrolyte contains bis(1,2-benzene diolate(2-)-O,O')lithium borate (applicant's claims 1-5). The anode further contains graphite materials (applicant's claims 7, 8, and 9). The anode further contains tin, silicon, and zinc (applicant's claims 10 and 11). The electrolyte contains LiPF₆, LiBF₄, LiN(CF₃SO₂)₂, LiN(C₂F₅SO₂)₂, LiC(CF₃SO₂)₃, and LiClO₄ (applicant's claims 13-18). The electrolyte contains a polymeric compound (applicant's claim 12). Refer to 5:4-60, 6:60-65, 9:50-55, 10:5-10, 55-65.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cynthia Lee whose telephone number is 571-272-8699. The examiner can normally be reached on Monday-Friday 8:30am-5pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

BAYMOND ALEJANDRO
PRIMARY EXAMINER

ckl

Cynthia Lee

Patent Examiner